

# THE PLOTTER

CLACKAMAS COUNTY AREA T/S  
USERS GROUP  
NEWS LETTER

VOLUME 9                      \*\*                      NUMBER 4

APRIL 1991

|             |                |
|-------------|----------------|
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## MEETING

The APRIL meeting will be:

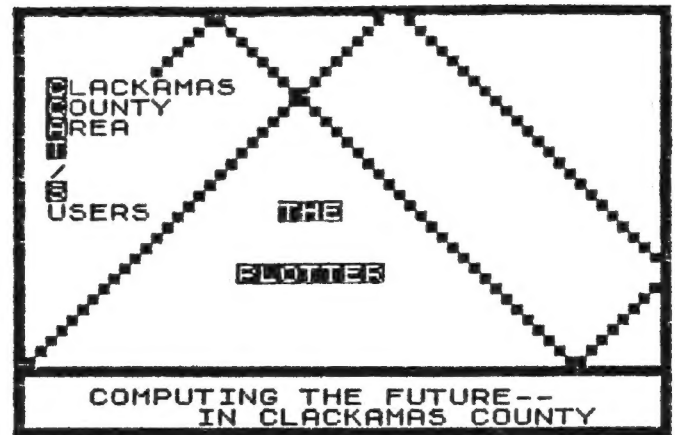
on: FRI., APRIL 12, 1991

meeting open at: 7:00 P.M.  
in: COMMUNITY ROOM  
FAR WEST FEDERAL S.L.  
OREGON CITY SHOPPING CENTER

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## WHAT YOU WILL FIND IN THIS ISSUE

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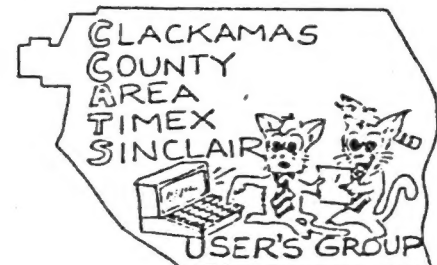
## CHAIRMAN'S CORNER

(a.k.a. a turn in the barrel)

Well, another month has gone by and we seem to be making some new decisions about our status. A new look at our direction and our name. From the information given me and the discussion at the meeting it seems that we mainly want to remain as a base of information and assistance to each other. The camaraderie we enjoy is another large factor in our staying the course. We have a solid core of enthusiasts and from time to time we add one or two that replace the ones we have lost.

We need to discuss the ways we can add to our member base now that it has been made clear that we can attract members from the PC users in the area. By changing our name, we will make it clear that we welcome others to join us. Methods to accomplish that need to be developed and we need to discuss what steps we can take to make a positive statement to the community. The message is: We are here to help! We welcome your participation and ideas to make our organization grow and prosper!

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Continued from page 1

Don't forget to add your "Aims and Desires" response to the others already received. A compilation of these will be in a forthcoming issue of The Plotter. Don't be shy! See you at the meeting...

## MARCH MINUTES

The March 8 meeting was called to order by Chairman Armstrong at 8:08 PM. Due to construction work at our usual meeting place, this meeting was moved to the recreation hall at Steeves Mobile park thru prior arrangements by Bob Evans. Attendance was 10 members.

The February minutes were approved as published in the newsletter.

Discussion concerning the lack of response by SNUG officials to several letters written over a period of time suggested that if we cannot obtain a response then (1) the SNUG organization is inactive, or (2) officers do not care about increasing enrollment in that organization. The conclusion was that we no longer attempt to communicate with them.

The previously discussed member equipment listing was again brought up. Such a listing would provide members possible sources of equipment and programs as usually some equipment is for sale. The possibility of selling equipment no longer used might be accomplished by RMG Enterprises making individual lists available to readers for perhaps \$.50 per sheet. Rod also said he would make up a check-off form as one way of displaying information. Equipment lists also can provide article and program writers an idea of equipment that is out there.

The Chairman again recommended short business meetings with participants staying on the current subject. This would allow more time after meetings for any SIGs to hold their own get together. This would also allow more time for demonstrations and program reviews.

Merlin Raymond again brought up the subject of Spectrum programs. It seems that he has a friend from Australia who is willing to make some personal programs available on a loan basis. The best way to make use of these would be to copy directly onto tape so no damage could occur. Then interested members could make copies as desired.

The club name problem was again addressed but in more depth. Members combined to come up with "CLACKAMAS COMPUTER APPLIED TRAINING SOCIETY". This would retain the CCATS abbreviation. Rod mentioned that the bank account record would have to reflect a new name. The Secretary/Editor is to provide some possible changes in the newsletter format due to a name change.

Dick Wagner reported that he called the PC NOVICE magazine (800 number) to report our existence and interest. A notice appeared in their last issue requesting such information. The person receiving the call was stumped by our origin and history. What is a Timex-Sinclair Computer?

Rod again raised the question of a swap meet. The suggested time is May 4th (Saturday), 10 AM to 4PM. This depends upon the availability of our usual meeting room at the Far West Bank. Dick is to check on this and make reservation. The swap meet would be in lieu of the regular meeting of May 10.

Rod reported that he had a nice note from Mike DeRienzo who has supplied such good programs in the past. Mike indicated his appreciation for the annual newsletter subscription in exchange for any programs he can send our way.

Merlin reported on the expansion of Powell's Book Store at NW 10th and Burnside. Their technical section has been expanded to the opposite side of 10th at Couch St. and Everett St.

Local Portland bulletin boards were mentioned. These are for a wide

Continued from page2

range of computers. Rod has about 48 disks of these programs for IBM clones. He is considering bringing a computer to meetings so members can purchase copies of desired programs. Some are freeware and the remainder shareware. The price will be in the neighborhood of 50 cents on your disk, about \$1.00 his disk.

Don Malm suggested a mailing program to past TS members in the hopes that those who have changed to different makes will now be interested in our group.

Merlin requested ideas for getting more computer time on his equipment as his GF has developed an interest in it. He was flooded with suggestions.

Ken Lutes expressed his thanks to Rod for providing the MS DOS tutoring material after past meetings. Other members of the MS DOS experience echoed his sentiments.

Rod mentioned a new MS DOS type of operating system called "4-DOS" that he can now supply. He considers it easier to operate and is recommending it to new MS DOS type computer purchasers.

The meeting was adjourned at 9:23 PM.

Dick F. Wagner  
Secretary

## BITS & BYTES

by: Rod Gowen

In this column I try to bring you the latest and complete information and news available to me regarding the world of TS computing. One way that I can accomplish this is if I have the support of you, the reader, in collecting news that may be of interest to other readers. If you have any news, rumors or other tidbits of information that fits this description, why not send it along? We will be watching!

## ZEBRA GRAPHICS ON DISK-

should be available to you by the time you read this. RMG is marketing the programs: GREETING CARD DESIGNER/BANNER DESIGNER/SIGN DESIGNER AND GRAPHIC DESIGN UTILITY on one disk available in LKDOS and Oliger formats. AND, to go with these fine programs, RMG will be selling the 12 icon (graphics) libraries for these programs (also usable with Pixel Print and Word Master programs) on disk as well. They will be stored in Lemke's icon library manager program and will also be available in both LKDOS and Oliger formats. These disk conversions are courtesy, in large part, of Bill Ferrebee of Mountaineer Software. He is also our TS columnist for Vulcan's Computer Monthly magazine. He is doing a write-up on these and other things still available for your TS computers in his column. Check with RMG if you are interested in these items.

## SWAP MEET PANNED-

for the month of May. We hope to have it on the first Saturday, May 4th, from 10-4. We are going to try to get the regular meeting room, but will not know for sure until the first week in April. Keep watching.

## CCAT/S NAME CHANGE-

was discussed at some length at the March meeting. The final suggestion to be chosen was CLACKAMAS COMPUTER APPLIED TRAINING SOCIETY. This allows us to keep the same initials to simplify the change. The name has been left open for discussion before final decision to be made at the April meeting. Let us hear what you think. The idea is to get away from any "title" that leads to the incorrect conclusion that we are an "exclusive" group focusing on just one type of computer. We need new blood and we hope to recruit new members from the IBM clone users in our community. I am sure that there are a LOT of them that could use our assistance and comradery.

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Continued from page 3

## A SPECIAL THANKS-

must go out to Bob Evans this time for his help is supplying a meeting place for the March meeting as our regular place was unavailable due to reconstruction of the stairway to the meeting room. Bob was able to secure the meeting hall of his mobile home court for our meeting. It turned out to be quite nice. Now we have an alternative meeting place in time of need.

## LARKEN NEWS-

We finally have some news from up north in Larken country. We spoke to Larry Kenny last week and he told us to pass along the news that there WILL NOT BE ANY FURTHER SOFTWARE FROM LARKEN. This means that the 2 programs that were in the works are now totally dead UNLESS we can find someone who wants to pick up where Larry is leaving off. The spell checker for TASWORD TWO and the Desktop Publishing package were on the back burner, but now that the stove is completely turned off, they will rapidly get cold unless someone else wants to complete the job. Larry told us that he will still be working on hardware (an RS232 port for about \$50) and will keep us informed. We sure would still like to see some sort of interface to allow EASY file transfers to/from an IBM clone or possibly being able to use the IBM as a file server. Anyone out there want to tackle it? I have dozens of buyers just waiting!

That's if for now!  
See you next time. . .

## Using DEF FN and FN

With Sinclair QL and TS-2068

Given are three little example programs that mixes up a brew of ways to use DEF FN and FN. There are zillions of ways that the "DEFine" functions can be used for both math and literal operations.

RULES: The command "FN" is used in a line of programming (or in the direct mode). When the "FN" Command is given, "program lines are searched" for the DEFined Function, which is

expressed somewhere in a program line. The DEF FN expression can be "early or late" in the program lines. AND, an "earlier" DEF FN expression can be used by a "later" expression to solve differential equations. But MATH is but one of many usages of the DEF FN and FN functions. One can use most of the Basic Language key words within a DEF FN expression. An example: 100 DEF FN c\$()=("yes" AND a>0)+("no" AND a<1). This simple Boolean evaluation can be expanded upon to do thousands of selective literal assignments. <PRINT FN c\$(> solves the function.

Sometimes literal explanations are too dense and complicated to get the points across. The best way, I believe, is to give some short and sweet examples. The three short demo programs are given. The first one demos simple math formula solutions. The second demos a bit of string slicing and conversions from literal to numeric. The third is a bit more complicated. Key in the programs and become familiar with the DEF FN and FN logic. Other applications of DEF FN are given in Update Magazine (January 1991 and April 1991). Enjoy! BJ

```
5 REM * Demo of using DEF FN f
or String Slicing, Conversion from
Literal to Numeric, and Math
10 LET a$="1234567890"
20 LET a=VAL FN y$()
30 PRINT a^2
40 PRINT SQR a
500 DEF FN y$()=a$( TO 2)
```

```
10 REM Demo of math solutions w
ith DEF FN and FN
20 INPUT "Input Circle Radius";
r
30 PRINT "The Cir Area is ";FN
a()
40 PRINT "The Diameter is ";FN
b()
50 PRINT "The Circumference is
";FN c()
100 DEF FN a()=PI*r^2
110 DEF FN b()=r*2
120 DEF FN c()=2*PI*r
```

```
5 REM * Demo of DEF FN, FN, RE
AD, DATA, RESTORE, plus a bit of
BOOLEAN Logic
10 INPUT "Enter your Age ";a
30 RESTORE (60 AND a<30)+(65 AN
D a>29 AND a<50)+(70 AND a>49)
60 DATA "Hello Young Squirt"
65 DATA "Watch out for Middle A
ge Blues"
70 DATA "Enjoy your mellow year
s"
80 READ a$
90 PRINT FN b$()
100 DEF FN b$()=a$
110 GO TO 10
```



# *the plotter*

## *pc page*

*by: Rod Gowen*

Are you getting along with your clone? I hope that I have been of some help with this column. My ultimate goal is to make using your IBM clone as easy as possible. To this end, any time I come across a program or utility that might help me do this, I will bring it to your attention here. If I am to be successful at this task, I need your help. Please let me know what you think of the content of this column. Do you like it? Do you want to see a topic covered that I have not thought of? If you did not like it, I would like to know that as well.

As I said above, if I find something that will make my life easier in DOS, I will pass it along. This month I have a real gem for you: 4DOS. 4DOS.COM is a replacement for COMMAND.COM. It will work with any version of DOS and with any IBM compatible XT/AT computer. 4DOS contains all of the same commands that DOS contains and more! On top of that, most of the commands are enhanced. I could not begin to describe all of the power and versatility available to you in this program in one column. I will, however, be covering the commands in a series of columns to try to help you compare 4DOS to DOS commands. This month I will have room to give you an overview of 4DOS and list some of the major new commands that you will not find in COMMAND.COM.

First of all, you cannot get so much more power and hope to keep the program the same size. 4DOS.COM does require 71K of ram BUT, and this is a big but, it can be swapped out to extended ram or expanded ram or even to a disk file to leave you using less than 3K of main ram instead of the usual 4-7K used by various versions of COMMAND.COM. The best way to use it is with either extended/expanded ram or a ramdisk in extended/expanded ram. It will function by swapping to a floppy or hard disk but you can imagine the slowest would be swapping to floppy drive.

As for the new and exciting commands available to you in 4DOS, I will list a few of them here and tell you what they are for. FREE will tell you how much free space is left on the default or any disk you choose. MEMORY will tell you about your main ram, extended ram, expanded ram, environment space, alias space and history space. CDD will allow you to not only change directories (CD) but also to change drives at the same time! LIST allows you to read files without having to first load some sort of editor or word processor. It allows you to scroll up and down through any text file. HISTORY will list the commands you have issued from the command line. DRAWBOX will allow you to draw a box of any size or color from within your batch files or to be used in menus or ascii text files. DRAWVLINE/DRAWHLINE allow you to draw vertical or horizontal lines. MOVE is a true move command! It will copy a file and then erase the original. ALIAS will allow you to write DOS command line macros. COLOR is included to allow you to change colors in batch files and from the command line. There are also many batch programming commands such as: GOTO - GOSUB IF - IFF - EXIT - QUIT - INPUT - INKEY - SET - CALL - CANCEL - SETLOCAL and more. If nothing else, with 4DOS you will likely become a better batch file programmer than you were before.

If you like it and want to register and use it for the future, this fine piece of programming will cost you \$50. Not bad for what you get. This is what DOS COMMAND.COM should have been and may be in the future if what I hear about MS-DOS version 5.0 is true. It is reported to have the ability to swap out part of itself to extended/expanded memory to spare some main

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memory for applications. I do not see them putting in all of the niceties that you will find in 4DOS. This is, as you may have gathered, a shareware package.

Next time I will start to explain how the commands work. How a command with the same name as the corresponding DOS command differs in its 4DOS operation. After that, we will get into the new commands, what they do and how they work.

If this package is of interest to you, you can get a copy from RMG and give it a try yourself. If you want to see more on 4DOS over the next few months, please let me know. I can only assume that if I hear only silence it must mean that you like what you are reading and want to see more of the same.

See you all next time. Try to make it to the meeting in April!

## BOOK REVIEW

Newer users of MS DOS and DR DOS should find the book "Getting The Most From Utilities On The IBM PC" by Robert Krumm very helpful. Mr. Krumm speaks and writes the layman's language as he first started using computers for teaching at the Public School level some years ago. He now teaches at microComputer School, Inc. He has had many magazine and journal articles published.

The book cover carries this message, better than I could write it out: This guide to utility programs is valuable for both beginners and experienced users alike. The most popular programs are documented in a "hands-on" style, with numerous examples of their use and detailed product information that allows a reader to compare utilities and decide which ones best fit his or her needs.

Readers will find the first 80 pages to be helpful in just understanding what MS DOS is about, and instructional enough to use the utilities covered by this book. These 80 pages go into "What You Need To Know" and "Working With Dos Commands". This is part 1.

Part 2 covers Norton Utilities and other DOS enhancements. PC TOOLS is one he does not cover. Users of XTREE will find a useful explanation of this utility, how to start it, display examples and modes, searches, commands, functions, Keys, directory commands, file commands, tagging files, for example. As for each utility described, a summary of XTREE is given.

Part 3 covers keyboard enhancements, such as macros and macro enhancements. He covers many aspects of the F keys, and in conjunction with Ctrl and Alt keys.

Part 4 goes in to the background utilities and printing utilities. These 3 parts are applicable to the specific utilities covered by the author. However, the information is great for comparing with utilities in use or contemplated, such as shareware and freeware. For example, an understanding of the keyboard enhancement program, ProKey, will give a good comparison for any similar utility.

Specific utilities are ProKey, Superkey, Recall, SmartKey, Sidekick, Spotlight, DeskSet, and Turbo Lightning.

Published by Prentice Hall Trade, "A Brady Book", and available from Book Warehouse at Lincoln City (Factory Outlet Complex). The price for paper back, 500 pages, good paper, and fine printing, plus lots of examples, is \$5.99.

1301 Kiblinger Place  
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03 09 1991

## CLACKAMAS COUNTY AREA T/S USERS GROUP

Dear T/Sers,

Is there a SNUG? That depends upon what you call it. I talked to Paul Holden and the next issue (is it #3) is about ready to be mailed. I got a firm promise of before the next meeting of ISTUG (March 30th) but also at the last meeting I got assurances it would be mailed within two weeks.

I assure it does me no good as an editor not knowing when it will get published and mailed so that I will know what material was used in the issue so that I can lay out the next issue. I do have the material for the next few issues and some material of my own to include.

This is not by my design but what has been given to me, I do not have the list of addresses of members or I would have dug into my pocket and gotten something out. For some reason they or Paul wants to retain the control of the printing and mailing. And Paul is 155 miles away and letters go unanswered and telephone calls get expensive. The requesting me to be SNUG newsletter editor was last November and so far not much has been done but that seems typical of SNUG.

If I had the information to be able to mail out to the SNUG members something would have been done, at least by last Christmass. Nothing fancy but at least let everyone know that SNUG was still around. Several times I almost gave up but I keep thinking that it will get going. I hope that it will before all the T/Sers leave the fold.

Rumours and hints of a pending election of SNUG officers and that means maybe someone can be elected to get this going. I will admit that I am not a political animal but more of a doer and maybe that is what is needed. Of course, if I were an officer I might antagonise some members but that would be better than what is going on now.

About elections, I would accept an office, I don't know the duties of any but I would not turn down any. But I would want to continue the SNUG newsletter if at all possible unless someone with better qualifications comes along. It will be a thankless job I know but if anyone sends me material the newsletter will continue.

Look not only at a persons ability but also at their ability to devote time to it. Nominate someone that will work at it not a name that just hasn't time to do it. By default you are almost looking at retired people to do the necessary work. But also most retired people have their time well scheduled and want to do other things too. For example, Bill Jones of UPDATE. I am proud to have known him even if it was by telephone and letters only.

As far as my abilities with the T/S computers have been, I am still in the beginners stage in many ways. I will admit that since I have attended the ISTUG meetings since the October one (I missed the January meeting, swap meet too) I have learned so much more. Not what I would go to the meetings to find out but what was there to learn and what the others wanted to explain. I still have problems but I am further along than before I moved into ISTUG territory.

I only work with the ZX80, ZX81, T/S 1000, T/S 1500 and the the T/S 2068. I do have one T/S 2068 with the SPECTRUM ROM but I have not used it. When I feel that I have learned the T/S 2068 I will be ready for the SPECTRUM. Since the QL and the Z88 do not use the same language I am not interested in them. At present, the only time I would want to have a QL is when I need to copy an EPROM.

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I have much hardware for the above computers and lately, March 2nd, I performed a marriage and now have the Larken/Oliger disk systems running on my working T/S 2068 computer. I did not do the complete hardware modification of the Larken dock board since I did not bend out pin 1 of the chip as specified and tied it to pin 14 so that I could power up with both interfaces active without the computer freezing up. The only problem is that I cannot LOAD my Oliger version of MSCRIPT V5.5 with the Larken board enabled. If I do and I try to LOAD a file the computer does a NEW! A twirk I can live with since I know it. The reason I did not bend out pin one is that the chip is soldered in.

On the ZX81 I am trying to get an AERCO disk interface working with double sided 40 track drives. The used system that I have has one single sided 35 track drive and the docs confirm that it was from the days of 8 inch drives and when the first 5.25 drives were single sided 35 track and quite likely single density since the software asks when you FORMAT if it is single or double density. Changing drives requires a new interface EPROM. AERCO still makes the system and supplies the EPROMs. I have the Larken ZX81 disk system but to SAVE a program that has machine code in it you have to POKE the start address and the length of the code and I do not know how to find that out.

On the T/S 2068 I have been transferring my Larken MSCRIPT files to Oliger by way of a cassette version of MSCRIPT V5.0 which I converted to LOAD Larken and to SAVE Oliger. That does beat SAVING to cassette and reLOADing to the other version of MSCRIPT which I did a few times before I got the Larken/Oliger marriage performed.

Anyone with comments to send in to SNUG please do that, ask for help, got something to sell, want to buy something, got a problem, got a solution to a problem you have had. Anything at all about any of the T/S computers including the clone of the ZX81, the PC8300 (or IQ8300).

If you write and want an answer please use a LSASE so that I do not have to dip into my allowance to reply. My postage bill is high enough and the new rate does eat into my allowance even more. Can't believe how fast the stamps go, I buy them about 40 at a whack and it seems like I have to do it more than once a month. Same with telephone calls, I am willing to talk anytime except that my wife when she is home does like to have me do other things.

So I will get off of this freeloadng that you have been sending The PLOTTER as a CRAGIST exchange and the post office has been forwarding. A special, D. K. I'll take you up on it. All I got to remember is to put in the check for it. <sup>howe,</sup>

The way the newsletters are dropping it will soon be possible to be able to afford all that print good stuff. Good stuff for me is the basic two computers with accessories and that is the ZX81 and the T/S 2068. D. K. I know that there are others like the QL and the Z88 but they are not for me. But that will not stop me from passing along material for them.

Bill Miller is trying to interest someone in doing some hardwaring and softwaring to be able to use an IBM PC 286 as a slave with a T/S 2068 as the master and use the PC disk system for the storage of programs for the T/S 2068. He claims that the 286 PCs complete outfits are on the used market for something like \$300 or so. The idea sounds good but- around here the 286 is still rather pricey, closer to a thousand and I don't know anyone that is interested in the idea. Of course I know that it should be possible since the disk drives (some) that I use have the IBM logo molded into the front panels. That is a much better idea than one guys idea of using some 8 inch drives on his 2068. Have you ever seen the size of eight inch drives in a case complete with power supply? Or priced the 8 inch floppy diskettes? If the drive case was just a little bigger it could be fitted with legs and used as the desk top.

About your offer of getting back issues of THE PLOTTER, I would

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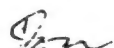


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like to do that. You can't believe how interesting some of the earlier issues are. I have no idea how much postage is since I don't know how big the issues were. I know approximately 5 sheets to the ounce so I can't know how many ounces to the issue without knowing the page count. So I can put in extra money for the back issues and just guesstimate the postage and run off that many less issues and start with issue number 1 (September 1982) and work forward. I have some PLOTTERS but not back more than a couple of years. I will make the check out for \$22.00 and hope that it doesn't go to two different pockets. I recently got the early issues of LISTing and it was very interesting. PLOTTER is a couple of years older. I have a filing cabinet next to the computer with one drawer fairly well filled with newsletters.

TIME~~X~~SINCLAIR STILL LIVES.

Sinclairly yours,



Donald S. Lambert

+++++

```
3 REM from SINCUS disk #101
in CCATS library
5 BEEP .3,20
10 GO TO 1000
100 LET sc=sc+1: SOUND 6,6;7,7;
8,16;9,16;10,16;12,56;13,8: PAUS
E 10: SOUND 8,0;9,0;10,0
110 LET b$=CHR$ 144+CHR$ (146+s
c)+CHR$ 146
120 LET x=x+10*VAL a$(2): PRINT
AT 0,7;x
150 RETURN
200 LET sc=0: LET t=t+x: LET x=
0: PRINT AT 0,7;"00 ";AT 0,27;t:
BEEP .05,48: BEEP .07,44
210 LET b$="ABC": PRINT AT 21,2
8;b$
220 FOR e=12 TO 2 STEP -2: PRIN
T AT e,29;"$";AT e+2,29;" ": NEX
T e: PRINT AT 2,29;" "
230 RETURN
1000 GO SUB 4000
1010 GO SUB 6000
1020 BORDER 2: PAPER 7: INK 0: C
LS
1025 LET b$="ABC"
1030 PRINT AT 15,29;"B";TAB 29;"
A";TAB 29;"N";TAB 29;"K";AT 21,2
9;AT 20,29;"^"
1040 LET t=0: LET p=14: LET sc=0
: LET x=0
1050 PRINT AT 21,p;b$
1060 PRINT AT 0,0;" PAIL $00";TA
B 10;" BILLS 0";TAB 20;" BANK $0
0"
2000 REM DROP
2010 FOR a=1 TO 20
```

```
2040 LET q=10*(INT (RND*9)+1): L
ET a$="$"+CHR$ (q/10+48)+"0": LE
T c=INT (RND*22)+3: PRINT AT 0,1
7;21-a;" "
2060 REM GO
2070 FOR b=h TO 20: PRINT AT b,c
;a$: BEEP d/100,b: LET p=p-(INKE
Y$="n")+(INKEY$="m"): LET p=p+(p
=0)-(p=28): PRINT AT 21,p;" ";b$
;" ";AT b,c;" ": NEXT b
2110 REM HIT
2115 IF p=27 THEN GO SUB 200
2120 IF c=p+1 AND sc<5 THEN GO S
UB 100
2140 NEXT a
3000 REM END
3010 PRINT AT 10,5;"Press 'P' to
try again"
3020 LET d$=INKEY$: IF d$<>"p" T
HEN GO TO 3020
3030 GO SUB 4060: GO TO 1020
3040 STOP
4010 INK 0: PAPER 7: BORDER 2: C
LS
4020 PRINT AT 2,9;" "
;TAB 9;" MONEY PAIL ";TAB 9;" "
4030 PRINT AT 7,1;"If there were
tens of dollars falling from
the sky, how much of it could y
ou catch with a small pail?";
AT 12,1;"NOTE: Your pail only ho
lds 5 bills. Take your
money to the bank and c
ome back for more.";A
T 18,1;" USE KEYS N & M TO MOVE
PAIL "
```

```

4040 PRINT AT 21,4;"Press ENTER
to continue"
4050 PAUSE 0: CLS
4060 PRINT AT 3,7;"ENTER SKILL L
EVEL:";AT 6,9;"(1) easy";TAB 9;"
(2) so-so";TAB 9;"(3) hard";AT 1
0,5;"
4070 LET c$=INKEY$: IF c$<"1" OR
c$>"3" THEN GO TO 4070
4080 LET d=7-2*VAL c$: LET h=7-d
4090 PRINT ; FLASH 1;AT 13,11;"R
EADY?"; FLASH 0
4095 PAUSE 60
4100 RETURN
6010 FOR n=0 TO 7: READ l: POKE
USR "A"+n,l: NEXT n
6020 FOR n=0 TO 7: READ m: POKE
USR "B"+n,m: NEXT n
6030 FOR n=0 TO 7: READ r: POKE
USR "C"+n,r: NEXT n
6032 FOR n=0 TO 7: READ e: POKE
USR "D"+n,e: NEXT n
6033 FOR n=0 TO 7: READ i: POKE
USR "E"+n,i: NEXT n
6034 FOR n=0 TO 7: READ o: POKE
USR "F"+n,o: NEXT n
6035 FOR n=0 TO 7: READ u: POKE
USR "G"+n,u: NEXT n
6036 FOR n=0 TO 7: READ y: POKE
USR "H"+n,y: NEXT n
6040 DATA 192,192,192,192,192,19
2,255,255,0,0,0,0,0,0,255,255,3,
3,3,3,3,3,255,255,0,0,0,0,0,255,
255,255,0,0,0,0,255,255,255,255,
0,0,0,255,255,255,255,255,0,0,25
5,255,255,255,255,255,0,255,255,
255,255,255,255,255
6050 RETURN
9998 CLEAR : SAVE "MoneyPail" L
INE 1

```

## -NOTICE-

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